



Power Standards Lab  
 980 Atlantic Ave #100  
 Alameda, CA 94501 USA  
 TEL ++1-510-522-4400  
 FAX ++1-510-522-4455

[www.PowerStandards.com](http://www.PowerStandards.com)

# Certificate of Conformity

## IEC 61000-4-30 Class A

**Embrasul – RE8000**  
 with compatible GPS antenna

**IEC 61000-4-30 Ed. 2**  
 230V, 50/60 Hz, L-N  $U_{din}$  for all parameters

61000-4-30 Section	Power Quality Parameter	Class A Compliance	Class S Compliance	Class B Compliance	Remarks
5.1	Power frequency	Yes	Yes	Yes	
5.2	Magnitude of the supply voltage	Yes	Yes	Yes	
5.3	Flicker	Yes	Yes	(N/A)	
5.4	Supply voltage dips and swells	Yes	Yes	Yes	
5.5	Voltage interruptions	Yes	Yes	Yes	
5.7	Supply voltage unbalance	Yes	Yes	Yes	
5.8	Voltage harmonics	Yes	Yes	Yes	
5.9	Voltage interharmonics	Yes	Yes	Yes	
5.10	Mains signaling voltage	Yes	Yes	Yes	
5.12	Underdeviation and overdeviation	Yes	(N/A)	(N/A)	
4.4	Measurement aggregation intervals	Yes	Yes	Yes	
4.6	Time-clock uncertainty	Yes	Yes	Yes	Tested with GPS Antenna
4.7	Flagging	Yes	Yes	(N/A)	
6.1	Transient influence quantities	Yes	(N/A)	(N/A)	

(N/A) – Not Applicable. There is no requirement in the Standard.

This certificate summarizes the results of the PSL IEC 61000-4-30 Power Quality Measurement Methods Compliance Report, document #PSL 61000-4-30 Ed 2 Test Report – Embrasul– PQM dated 31 March 2016. PSL tested two samples, Model RE 8000 S/N 80000002 & S/N 80000001, at 230/120VAC, 50/60 Hz. Manufacturer states that these samples are representative of the RE8000 meter(s).



RE8000 - Embrasul

Thomas Pau 31 March, 2016

[Thomas@PowerStandards.com](mailto:Thomas@PowerStandards.com)